

1 Attorney Docket No. 82856

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3 FREE ROTATING INTEGRATED MOTOR PROPULSOR

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5 ABSTRACT OF THE DISCLOSURE

6 An integrated motor propulsor includes a rotor which a  
7 plurality of rotor blades adapted to rotate about a center axis.  
8 An outer ring surrounding the rotor contacts one of the rotor  
9 blades and has a field means positioned on the outer ring. A  
10 duct is in low friction contact circumferentially outside the  
11 outer ring. A stator is positioned in the duct to interact with  
12 the field means. The duct also has a plurality of pitch control  
13 apparatuses pivotally joined to outboard blades which extend  
14 radially outward from the duct.